

UNITED STATES DISTRICT COURT  
FOR THE DISTRICT OF RHODE ISLAND

ALBERT GRAY, ET AL

VS.

JEFFREY DERDERIAN, ET AL

C.A. NO. 04-312-L

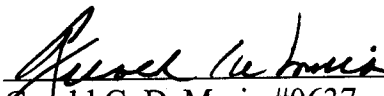
DEFENDANTS' RULE 12(b)(6) MOTION TO DISMISS

Defendants General Foam Corporation, GFC Foam, LLC, PMC, Inc. and PMC Global, Inc. ("General Foam") hereby respectfully move this Court, pursuant to Federal Rules of Civil Procedure 12(b)(6) to dismiss the claims asserted against General Foam on the grounds that the plaintiffs fail to state a cause of action against it as a matter of law. For the reasons set forth in the Memorandum filed herewith, General Foam requests that all claims asserted against it in the plaintiffs' Complaint be dismissed with prejudice.

Defendants hereby request oral argument on this motion.

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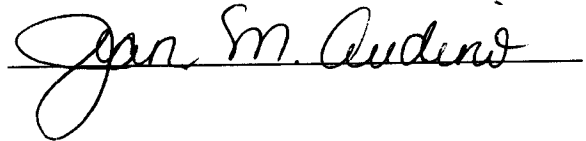
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A handwritten signature in cursive script, reading "Jean M. Audino", written over a horizontal line.

UNITED STATES DISTRICT COURT  
FOR THE DISTRICT OF RHODE ISLAND

ALBERT L. GRAY, ADMINISTRATOR *et al.*, :

Plaintiffs

VS.

JEFFREY DERDERIAN *et al.*,

Defendants

C.A. NO.: 1:04-CV-312-J

**MEMORANDUM IN SUPPORT OF RULE 12(b)(6) MOTION TO DISMISS  
BY DEFENDANTS GENERAL FOAM CORPORATION, GFC FOAM, LLC,  
PMC, INC. AND PMC GLOBAL, INC.**

On February 20, 2003, a tragic fire occurred at The Station nightclub which left 100 individuals dead and more than 200 injured.<sup>1</sup> In an effort to lay blame for this terrible tragedy at the feet of as many parties as possible, injured persons are suing anyone remotely connected to the fire. In this lawsuit, Plaintiffs have named as defendants the owners of The Station; the owners of the nightclub property; the insurers of the premises and the companies the insurers hired to inspect the premises; the company that manufactured the amplifiers in the nightclub; the rock band whose pyrotechnic display ignited the fire (and the band's managers and recording company); the companies that manufactured, sold and transported the pyrotechnics; radio stations and beer companies that sponsored or promoted the concert; the town of West Warwick; the Town Fire Inspector; the Town's police officer assigned to The Station on the night of the fire; the State of Rhode Island; the State Fire Marshal; the company and the salesman that sold the foam the nightclub owners applied for soundproofing; the

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<sup>1</sup> *Passa v. Derderian*, 308 F. Supp. 2d 43, 46 (D.R.I. 2004).

companies that allegedly manufactured that foam; and the person who was videotaping the nightclub that evening for a news segment and his employers – along with persons or companies related to this long list of entities.

Plaintiffs allege defendants General Foam Corporation and/or GFC Foam, LLC produced the polyurethane foam that The Station's owners purchased<sup>2</sup> – from another defendant, American Foam Corporation (“American Foam”) – and applied to the walls of the nightclub for soundproofing. They allege defendant PMC, Inc. is the parent of General Foam Corporation, and that PMC Global, Inc. is the parent of PMC, Inc.<sup>3</sup>

In this lawsuit, the Complaint alleges, at best, a tenuous and remote relationship between the injured Plaintiffs and GFC. Thus, GFC and PMC move the Court to dismiss Plaintiffs' Complaint because it fails to state a claim upon which relief can be granted. In the alternative, GFC and PMC move the Court for summary judgment on the basis that there are no issues of material fact and they is entitled to judgment as a matter of law.

## **I. BACKGROUND**

These defendants deny the allegations asserted against them in Plaintiffs' Complaint, and deny that anything they have done or any aspect of their corporate identity would subject them to liability for the injuries sustained as a result of The Station fire. Nonetheless, for purposes of this motion, these defendants acknowledge that well-pleaded factual allegations of the Complaint are taken as true.

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<sup>2</sup> Plaintiffs also allege that other companies manufactured the foam that the Derderians purchased from American Foam and installed on the interior walls of The Station.

<sup>3</sup> The Complaint also alleges that PMC Inc. and PMC Global, Inc. “so dominated and controlled the affairs” of their respective subsidiaries to make them “legally responsible for” the subsidiary's actions. Although the moving parties deny these allegations, they are immaterial as they are accepted as true for purposes of this motion. For this motion only, defendants General Foam Corporation and GFC Foam LLC are referred to collectively as “GFC”; PMC Inc. and PMC Global, Inc. appear collectively as “PMC.”

Assuming their truth for the purpose of argument, the allegations establish that GFC and PMC owed no legal duty to Plaintiffs under Rhode Island law. Further, The Station fire was proximately caused by the negligence of parties other than these defendants, and any alleged negligence by them is too far removed from the fire – legally and factually – to be part of the proximate causation chain. The negligent and illegal acts that occurred after GFC’s alleged remote production of the foam, taken individually or altogether, are legally sufficient to sever GFC’s causal connection to the fire. Whether these intervening, superceding acts are the proximate cause of The Station fire and whether these defendants owed a legal duty to the Plaintiffs present questions of law for the Court.

Plaintiffs’ Complaint sets forth, at a minimum, the following intervening acts by other defendants in this case.

- American Foam (not GFC) knowingly sold its non-fire retardant packing foam to Jeffrey Derderian and Michael Derderian, The Station’s owners, who used it improperly and illegally as soundproofing material for walls and ceilings.
- The Derderians purchased non-fire retardant foam and applied it to the walls and ceilings of The Station, in violation of applicable Rhode Island fire and building codes.
- The Town of West Warwick and the State of Rhode Island failed to properly inspect The Station premises to identify the inappropriate and illegal use of the foam on the walls and ceilings and order that it be removed.
- The Derderians permitted the illegal use of pyrotechnics on The Station premises without the license required of a business using or displaying pyrotechnics.
- Great White used pyrotechnics in their act without the license required of those who use or display pyrotechnics and in a facility that was not licensed for that use; the pyrotechnics set off by the band ignited the fire.



- The Derderians violated other fire codes and recognized safe practices by overcrowding The Station on the night of February 20, 2003, failing to have exits cleared and marked, and failing to properly respond to the fire ignition to facilitate the escape of The Station patrons.
- Brian Butler, who was filming The Station before and during the fire, obstructed and prevented The Station patrons from escaping the nightclub after the fire started.

The magnitude of these superceding causes are pleaded – and therefore conceded – by Plaintiffs, inviting the Court to grant the dismissal GFC and PMC request.

Further, even if these intervening acts of other parties did not sever the causal chain between these defendants and Plaintiffs' injuries and deaths, GFC and PMC cannot be liable to Plaintiffs. GFC was a bulk supplier of non-defective foam to others, like American Foam, who fabricated and altered the foam for countless end uses unknown to GFC. GFC's bulk foam had innumerable proper uses, including among others, safe packaging. Under the bulk supplier doctrine as recognized in Rhode Island, GFC had no duty to warn the distant users of end products that contain its remanufactured bulk foam.

Because GFC owed no legal duty to the plaintiffs, *and* because any legal causal connection of GFC to The Station fire was severed by the intervening acts of those responsible for this tragic fire, *and* because GFC was only a bulk supplier of foam subsequently altered and modified by others, GFC and PMC are entitled as a matter of law to have the claims against them dismissed with prejudice at this time.

## **II. PLAINTIFFS' ALLEGATIONS COMPEL GFC'S AND PMC's DISMISSAL**

In their Complaint, Plaintiffs allege the following facts.<sup>4</sup> Plaintiffs, or the persons on whose behalf they assert these claims, attended The Station nightclub in West Warwick, Rhode Island, on February 20, 2003. (Compl. ¶¶ 1-270.) That night, The

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<sup>4</sup> Citations to the paragraphs of the Complaint are to "Compl. ¶ \_\_\_\_."

Station was over-crowded with guests in excess of its licensed capacity. (*See, e.g.*, Compl. ¶¶ 274, 417.) The band Great White performed that night, beginning their show with a pyrotechnic display. The pyrotechnics ignited a fire that spread throughout the nightclub and consumed the premises. (*Id.* ¶271.) As a result, Plaintiffs and Plaintiffs' decedents were exposed to fire, smoke, fumes and gases, molten materials, trampling and other dangers which caused injuries, death or other damages. (*Id.* ¶ 271.)

Plaintiffs specifically blame a number of different individuals and entities for this tragic fire. They claim that defendants Jeffrey Derderian, Michael Derderian and DERCO LLC (collectively, the "Derderians"), the owners of The Station nightclub, were responsible in many ways for the fire. First, they installed and maintained flammable foam and other interior finishes in The Station; second, they failed to comply with Rhode Island laws for permitting and using pyrotechnics inside The Station; third, they failed to provide numerous fire protection, detection and suppression materials at The Station; fourth, they failed to provide proper egress and adequate lighting of proper egress during the fire; and fifth, they contributed to the overcrowding of The Station on the evening of February 20, 2003. (*Id.* ¶¶ 274, 285, 292.) Plaintiffs further allege that Jeffrey Derderian knew the nightclub was overcrowded, knew that non-fire retardant egg crate foam was on the walls around the stage and knew that Great White would use pyrotechnics in close proximity to the foam-covered walls. (*Id.* ¶ 277.)

Plaintiffs also name Triton Realty Limited Partnership, Triton Realty Inc., and Raymond Villanova, the owners and lessors of The Station premises, as defendants. (*Id.* ¶¶ 304-327.) These owners/lessors, Plaintiffs claim, failed to remove the foam improperly installed on the walls and ceiling of the nightclub and failed to correct other

open and obvious building and fire code violations. (*Id.* ¶¶ 306, 314, 322.) Plaintiffs assert that Howard Julian, who leased the premises prior to the Derderians, installed defective interior finishes on the premises that caused or contributed to the spread of the fire on February 20, 2003.

Plaintiffs assert that Daniel Biechele and members and management of the band Great White possessed, used and displayed pyrotechnics without required permits and in violation of the Rhode Island Fire Safety Code and the National Fire Protection Association (NFPA) Standard. (*Id.* ¶¶ 330, 336, 346, 354, 362, 370.)<sup>5</sup>

The Complaint alleges that Luna Tech, Inc. and High Tech Special Effects, Inc., were negligent in, *inter alia*, manufacturing the pyrotechnics and selling them to Great White without proper warnings of their potential hazards. (*Id.* ¶¶ 471, 480.) According to the Complaint, defendant Four Seasons Coach Leasing is liable to Plaintiffs for negligently and illegally transporting the pyrotechnics used in Great White's performance. (*Id.* ¶¶ 592-599.)

The Complaint further states that several defendants, including Anheuser-Busch, McLaughlin & Moran, Inc., WHJY, Inc. and their parent companies (*Id.* ¶¶ 376-409), knew or should have known that Great White had repeatedly, openly and illegally used unlicensed pyrotechnics on its tour prior to February 20, 2003, and that had they made minimal inquiry, they would have known that the band's performance began with setting off "illegal fireworks." (*Id.* ¶¶ 381, 39, 398.)<sup>6</sup> They also allege that Anheuser-Busch's

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<sup>5</sup> According to Plaintiffs' allegations, acts of each of the aforementioned defendants constituted criminal offenses. Plaintiffs further assert that acts of Denis Larocque, Barry Warner and Four Seasons Coach Leasing, Inc. (discussed *infra*) constitute criminal offenses.

<sup>6</sup> The Complaint also states that Anheuser-Busch has a special awareness of the need to regulate and ensure the safe use of pyrotechnics indoors, as its senior officials serve as members and alternates on the Technical

promotional activities contributed to the overcrowding of the nightclub that evening. (*Id.* ¶ 384.)

The Complaint asserts that the Town of West Warwick, the State of Rhode Island and certain of their employees (*Id.* ¶¶ 410-439) permitted dangerous and unlawful overcrowding of the premises, failed to enforce Rhode Island laws regarding the use of pyrotechnics and failed to discover and order removal of the illegal foam on the interior of The Station. (*Id.* ¶¶ 417, 419, 422, 434.)

The Complaint also alleges that various insurers of The Station, along with the companies they hired to perform inspections, failed to adequately inspect the premises to note the presence of the foam inappropriately applied to the surfaces, the inadequacy of the exits, and the practices of overcrowding the nightclub. (*Id.* ¶¶ 570-591.)

As to Brian Butler, the WPRI Channel 12 employee who was filming The Station the night of February 20, 2003 (and his employer and its parent company), Plaintiffs claim Butler stood directly in an egress route during the fire and filmed the patrons trying to leave, impeding their exit from the burning nightclub. (*Id.* ¶¶ 440-457.)

Plaintiffs also assess blame against parties not connected directly to The Station premises. According to the Complaint, defendant American Foam and its salesman, Barry Warner, sold non-fire retardant foam to the Derderians to be used as acoustical foam interior finish at The Station. (*Id.* ¶¶ 458-467, 486-496.) Plaintiffs allege American Foam and Warner represented that it was safe for that intended purpose, when

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Committee on Special Effects, the drafters of NFPA 1126. NFPA 1126 is the national standard for the use of pyrotechnics before a nearby audience. (*Id.* ¶ 379.)

in fact, the foam was inappropriate for use as acoustical foam and inappropriate for use on interior finish in places of public assembly.

Plaintiffs allege that GFC was negligent in manufacturing and selling an unreasonably dangerous foam product. (*Id.* ¶¶ 516-534, 550-555.) Further, Plaintiffs allege that JBL Incorporated is liable to them for its production of the defective amplifiers used on stage at The Station on February 20, 2003. Plaintiffs allege the amplifiers contained, *inter alia*, flammable foam components. (*Id.* ¶¶ 556-569.)

### **III. CHOICE OF LAW**

It is well-settled that “[a] federal court sitting in diversity ‘must apply the conflict of law rules of the state in which it sits.’” *La Plante v. American Honda Motor Co., Inc.*, 27 F.3d 731, 741 (1st Cir. 1994). A district court sitting in “minimal diversity” under 28 U.S.C. § 1369 functions in the same way as a district court sitting in diversity – both are federal courts applying state law. In the instant case, therefore, Rhode Island law should govern.

“In resolving conflict of law disputes arising out of tort actions, Rhode Island employs an interest-weighting approach.” *La Plante*, 27 F.3d at 741. Under this approach, the courts consider “the rights and liabilities of the parties ‘in accordance with the law of the state that bears the most significant relationship to the event and the parties.’”

*Najarian v. National Amusements, Inc.*, 768 A.2d 1253, 1255 (R.I. 2001) (citations omitted). Courts will consider the following factors in reaching their conclusion:

“(1) predictability of result; (2) maintenance of interstate and international order; (3) simplification of the judicial task; (4) advancement of the forum’s governmental interests; and (5) application of the better rule of law.” In applying these principles in tort cases, contacts to be considered are: “(a) the place where the injury occurred, (b) the place where the conduct causing the injury occurred, (c) the domicile, residence,

nationality, place of incorporation and place of business of the parties, and (d) the place where the relationship, if any, between the parties is centered.”

*Id.* at 1255 (internal citations omitted). The Rhode Island Supreme Court has also noted that ““in an action for a personal injury, the local law of the state where the injury occurred determines the rights and liabilities of the parties, unless, with respect to the particular issue, some other state has a more significant relationship.”” *Id.* at 1255 (citations omitted).

Applying the set of factors enumerated by the *Najarian* court, it is apparent that Rhode Island has more contacts than any other state with the events underlying the case at bar. Based on all of these considerations, Rhode Island law should govern this lawsuit. *See Passa v. Derderian*, 308 F. Supp. 2d 43, 58 (D.R.I. 2004) (finding “it is clear that Rhode Island law will govern the tort claims asserted” in the cases arising from The Station fire).

#### **IV. STANDARD OF REVIEW**

Although now in its early stages, there is no question that this lawsuit and its companion cases will be immense, with a multitude of plaintiffs and defendants embroiled in litigation that will go on for years before any trial takes place. *See Passa*, 308 F. Supp. 2d 43, 59 (D.R.I. 2004) (“Although only a limited number of plaintiffs have filed suit to date, it is certain, based on the large number of fire victims, that many more suits will follow in the days to come.”) Discovery alone will require an enormous expenditure of financial and human resources from both the Court and the parties.

When, as here, the Court is presented with the ability to dispose of certain claims as a matter of law, it is appropriate to do so at the first opportunity. For instance, in

*Gaines-Tabb v. ICI Explosives USA, Inc.*, 995 F. Supp. 1304, 1313 (W.D. Okla. 1996), *aff'd* 160 F.3d 613 (10<sup>th</sup> Cir. 1998), the Western District of Oklahoma court was presented the question of whether Timothy McVeigh's acts in constructing and detonating a bomb beside the A.P. Murrah Federal Building in Oklahoma City were the supervening cause of the plaintiffs' injuries and deaths, and thus *the sole proximate cause* of those injuries and deaths. The question was posed to the court in a Rule 12(b)(6) motion to dismiss by the defendant manufacturer of fertilizer in the purported class action; the court addressed the dispositive causation issue before considering any discovery or class certification issues. District Court Judge David L. Russell's decision to follow this course was affirmed by the Tenth Circuit Court of Appeals and provides authority for this Court, sitting in Rhode Island, to apply the same standard. *See Gaines-Tabb v. ICI Explosives USA, Inc.*, 160 F.3d 613 (10<sup>th</sup> Cir. 1998).

For purposes of GFC's and PMC's motion for dismissal under Rule 12(b)(6), the Court examines only the well-pleaded allegations of Plaintiffs' Complaint. *Pascoag Reservoir & Dam, LLC v. The State of Rhode Island*, 217 F. Supp. 2d 206, 210 (D.R.I. 2002) (citations omitted). Here, the well-pleaded allegations of the Complaint, taken as true, do not establish essential elements of the claims against GFC. Specifically, the allegations are insufficient as a matter of law to prove that a remote producer of bulk foam allegedly used as soundproofing at The Station was the proximate cause of the fire that occurred there. Moreover, the allegations cannot support a conclusion that GFC had a legal duty to prevent that fire.

The failure of the Complaint to state a claim against GFC cannot be cured with additional or more "artful" pleading by Plaintiffs. The allegations, unproven at this stage,

state all that can be logically asserted against GFC. More allegations will not alter the fact that the acts of GFC are unrelated, and not causally connected, in any sense, to the fire that occurred on February 20, 2003.

Although GFC includes materials beyond the pleadings in support of this motion, the supplemental items are not essential to establish GFC's right to dismissal of the claims against it. Nonetheless, if the Court considers the supplemental materials in reaching its decision, the irrefutable evidence will demonstrate that GFC is entitled to summary judgment at this time as well.

The Federal Rules of Civil Procedure provide that a 12(b)(6) motion to dismiss for failure to state a claim will be converted to a summary judgment motion where the motion relies on material outside of the pleadings. F.R.C.P. 12(b).<sup>7</sup>

GFC, as the party moving for summary judgment, satisfies its initial burden by demonstrating that there are no genuine issues of material fact for trial. This burden "may be discharged by showing that there is an absence of evidence to support the nonmoving party's case." *Rochester Ford Sales, Inc. v. Ford Motor Company*, 287 F.3d 32, 38 (1st Cir. 2002). "After such a showing, the 'burden shifts to the nonmoving party, with respect to each issue on which he has the burden of proof, to demonstrate that a trier of fact reasonably could find in his favor.'" *Id.* (internal citations omitted).

"In the end, after examining the facts in the light most favorable to the nonmoving party and drawing all reasonable inferences in its favor, [the court] is required to

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<sup>7</sup> "The proper office of summary judgment 'is to pierce the boilerplate of pleadings and assay the parties' proof in order to determine whether trial is actually required.' Consequently, upon conversion of a motion to one for summary judgment, 'the party to whom the motion is directed can shut down the machinery only by showing that a trialworthy issue exists.'" *Collier v. City of Chicopee*, 158 F.3d 601, 604 (1st Cir. 1998) (internal citations omitted).



determine if ‘there is sufficient evidence favoring the nonmoving party for a jury to return a verdict for that party.’” *Id.* (internal citations omitted). Here, there is neither the quality nor quantity of evidence available to the plaintiffs that will forestall judgment for GFC and PMC.

**V. AS A MATTER OF LAW, GFC’S REMOTE PRODUCTION AND SALE OF BULK FOAM WAS NEITHER NEGLIGENT NOR THE PROXIMATE CAUSE OF THE FIRE.**

The essence of the allegations that compose GFC’s supposed negligence is that GFC manufactured and sold flammable foam which was defective.

“In order to prevail on a claim of negligence in Rhode Island, a plaintiff must prove that: (1) the defendant owed the plaintiff a legal duty to refrain from negligent activities; (2) the defendant breached that duty; (3) the breach proximately caused harm to the plaintiff; *and* (4) there was actual loss or damage resulting.” *The Travelers Insurance Co. v. Priority Business Forms, Inc.*, 11 F. Supp. 2d 194, 197 (D.R.I. 1998) (citing *Splendorio v. Bilray Demolition Co., Inc.*, 682 A.2d 461, 466 (R.I. 1996)) (Emphasis added.) Thus, Plaintiffs must establish that, at the time GFC allegedly produced its bulk polyurethane foam in Pennsylvania and sold it to American Foam in Rhode Island,<sup>8</sup> GFC owed Plaintiffs a legal duty *and* that GFC’s alleged production and sale of its foam was the proximate cause of Plaintiffs’ harm. As a matter of law, Plaintiffs cannot establish either one of these two legal requirements.

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<sup>8</sup> See Section VI, *infra*, for a detailed discussion of GFC’s production of bulk polyurethane foam.

**A. GFC did not have a duty to prevent the fire at The Station.**

To sustain their negligence claims against GFC, Plaintiffs must first establish that GFC owed them a legal duty which it breached. *See Travelers*, 11 F. Supp. 2d at 197. It is well-established that whether a duty exists in a particular factual situation is a question of law, and thus one that the court determines. *Santucci v. Citizens Bank of R.I.*, 799 A.2d 254, 256 (R.I. 2002); *Olivier v. State of Rhode Island*, 1984 R.I. Super. Lexis 128 (R.I. Super. Feb. 16, 1984); *Travelers*, 11 F. Supp. 2d at 198. The Supreme Court of Rhode Island has, “articulated several factors that may be considered in determining whether a duty exists, including the foreseeability and likelihood of the injury to the plaintiff, the connection between the defendant’s conduct and the injury suffered, the policy of preventing future harm, and the consequences to the defendant and the community of imposing a duty of care on the defendant with resulting liability for breach.” *Santucci v. Citizens Bank of R.I.*, 799 A.2d 254, 256-257 (R.I. 2002).

The Rhode Island legal duty analysis – employing “foreseeability” and “likelihood” with a necessary “connection” between “conduct and the injury,” and culminating in a balancing of interests test – supports GFC’s right to dismissal of this case. It was neither likely nor foreseeable to GFC that pyrotechnics would be illegally used and ignite a fire in an overcrowded, unsafe building in which packing foam sheets (manufactured by American Foam not GFC) had been illegally applied for soundproofing and allowed to remain there for two years by oversight of the fire safety inspectors. To conclude otherwise would impose upon GFC a duty to have somehow anticipated the incredible events that led up to the horrendous fire that occurred at The Station. Rhode

Island law imposes no such duty on distant producers of nondefective bulk products such as GFC.

Moreover, the Rhode Island Supreme Court has recently held that intervening breaks in the chain of causation will negate any duty that might otherwise arise, even if the consequences of a defendant's conduct may have been foreseeable. In *Carroll v. Yeaw*, 850 A.2d 90, 2004 R.I. LEXIS 108 (R.I. 2004), the defendant was a registered contractor who allowed an unregistered colleague to use his name and registration number to obtain a building permit and build a public stairway on which the plaintiff was injured. The plaintiff claimed that there were design and construction flaws in the stairway and sued the registered contractor for negligence in allowing an unqualified contractor to use his credentials to obtain the building permit. The trial court granted summary judgment for the defendant on the grounds that the defendant owed no duty of care to lawful users of the stairway, such as the plaintiff, to ensure that it was properly constructed. On appeal, the Rhode Island Supreme Court affirmed.

The Supreme Court noted that "several factors disrupt the closeness of the connection between defendant's conduct in allowing his name, address and registration number to be listed on the permit application and [the plaintiff's] injury." *Id.*, 2004 R.I. LEXIS at \*7. In particular, the court pointed to the unregistered contractor's omissions and the building inspector's failure to identify any problems in the completed stairway. The court found that "these factors create a series of breaks between defendant's assistance with the building permit and [the plaintiff's] injury, thus interrupting any causal connection between the two events." *Id.* at \*8.

The connection between GFC's alleged sale of bulk foam and Plaintiffs' injuries is far more tenuous than the causal connection analyzed in *Carroll*. Here, the independent, intervening acts of multiple parties, including blatantly improper and illegal applications, uses and exposures of the bulk product could not have been reasonably anticipated by GFC.

Furthermore, public policy considerations in this case dictate that it would be too onerous a burden to require bulk producers like GFC to anticipate, assess the hazards of, and protect unknown ultimate users from the risks of every end product containing its bulk foam. Rhode Island has soundly rejected the imposition of a duty in the product liability context that would make a manufacturer an absolute insurer of its products. In *Castrignano v. E.R. Squibb & Sons, Inc.*, 546 A.2d 775 (R.I. 1988), the Rhode Island Supreme Court recognized that for purposes of imposing strict liability for failure to warn, a product is defective only if the seller does not warn of dangers reasonably foreseeable at the time of marketing. *Id.* at 782. The court stated that to require manufacturers to warn of unknowable dangers would be "absurd" and "make them virtual insurers of their products." *Id.* Because GFC did not owe a legal duty to Plaintiffs, GFC is entitled to have Plaintiffs' claims against it dismissed at this time.

**B. Plaintiffs' injuries were caused by illegal and negligent acts of others for which GFC is not responsible.**

The Complaint fails to assert facts which, if proven, would establish that GFC's production of non-fire retardant foam was the proximate cause of the Plaintiffs' injuries.<sup>9</sup>

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<sup>9</sup> GFC and PMC are also entitled to dismissal because Plaintiffs will be unable to prove that GFC manufactured the bulk foam selected by American Foam for its packaging foam sold to the Derderians. Foam manufacturers other than GFC supplied identical bulk foam to American Foam within the relevant time frame. Rhode Island requires proof of product identification to sustain a products liability case. *See*

Plaintiffs cannot establish proximate cause because the intervening acts that occurred between GFC's alleged negligence and The Station fire superceded any negligence by GFC, thereby breaking the fragile causal chain connecting it to Plaintiffs' injuries. In the absence of factual allegations supporting proximate cause – an essential element of each of their claims – the claims fail as a matter of law.

**1. Under Rhode Island law, an unanticipated intervening act renders an original act of negligence too remote to constitute a proximate cause.**

Assuming *arguendo* that GFC was negligent in producing non-fire retardant polyurethane foam, GFC's negligence was not the proximate cause of Plaintiffs' injuries. Under Rhode Island law,

A defendant's original act of negligence will be considered as a remote and not a proximate cause of a plaintiff's injury when there is an intervening act on the part of a responsible third person unless it be made to appear that the defendant should have anticipated that such an intervening act would be a natural and probable consequence of his own act.

*The Travelers Insurance Co. v. Priority Business Forms, Inc.*, 11 F. Supp. 2d 194, 199 (D.R.I. 1998) (citing *Nolan v. Bacon*, 216 A.2d 126 (R.I. 1966)).

In *Travelers*, the court explained that although proximate cause is normally a question of fact, the Rhode Island Supreme Court “has not hesitated, in certain circumstances, to declare the absence of proximate cause as a matter of law.” *Travelers*, 11 F. Supp. 2d at 199 (citing *Splendorio v. Bilray Demolition Co.*, 682 A.2d 461 (R.I.

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*Gorman v. Abbott Laboratories*, 599 A.2d 1364 (R.I. 1991) (establishment of liability requires identification of specific defendant responsible for injury). Further, Rhode Island has rejected market share as an alternative basis for liability when a plaintiff cannot identify the manufacturer of the product that caused the alleged harm. *Gorman*, 599 A.2d 1364 (R.I. 1991). However, for purposes of this Motion to Dismiss only, GFC and PMC accept Plaintiffs' unproven allegations as true.

1996); *Walsh v. Israel Couture Post*, No. 2274 *V.F.W. of the United States*, 542 A.2d 1094 (R.I. 1988); *Clements v. Tashjoin*, 168 A.2d 472 (R.I. 1961)).

The *Travelers* court ultimately concluded that the intervening act of arson which resulted in damage to certain premises was not only an illegal act which the defendant, who leased the property, was not bound to anticipate, it was also not the natural and probable consequence of the lessee's allegedly negligent behavior of discontinuing a burglar alarm system and not informing the landlord. Further, the court found that the presence of flammable chemicals on the premises was a *condition*, rather than a *proximate cause*, of the destruction. According to the court, no danger existed in the unsecured storage of these materials alone; absent the illegal intervening act of arson, the premises would not have been destroyed.

Under Rhode Island law, intervening illegal acts of third persons have been held, as a matter of law, to have broken the chain of proximate causation flowing from a defendant's original negligent acts. See *Travelers*, 11 F. Supp. 2d at 199-200 (discussing *Clements* and *Splendorio*).

In *Clements*, the defendant allegedly left the key in the ignition of his automobile, unattended, and on the grounds of a mental institution. 168 A.2d at 472. A patient at the institution subsequently entered and operated the auto, and negligently collided with the plaintiff's auto, injuring the plaintiff. *Id.* at 472-73. The Rhode Island Supreme Court held that the defendant was not bound to anticipate that his neglect in leaving the key in the ignition would "naturally and probably" result in a patient stealing the vehicle, operating it negligently and injuring the plaintiff. *Id.* at 474.

The *Clements* court also cited with approval to 65 C.J.S. Negligence § 111 d:

Liability cannot be predicated on a prior or remote cause which merely furnishes the condition or occasion for an injury resulting from an intervening unrelated and efficient cause, even though the injury would not have resulted but for such condition or occasion.

....  
If no danger existed in the condition except because of the independent cause, such condition was not the proximate cause.

Further, the court recognized that the question is generally one of fact, “[b]ut if there is no evidence connecting the alleged negligence with the injury, or if it is obvious that the act or omission was not the natural and proximate cause thereof, the question is for the court.” *Clements*, 168 A.2d at 475.

In *Splendorio*, an asbestos inspector was hired prior to the demolition of a building to determine whether the building contained any asbestos. 682 A.2d. at 463. The inspector certified, incorrectly, that the building did not contain asbestos. *Id.* The building was demolished, and subsequently the demolition company, in violation of the law, removed the debris to its own wrecking yard rather than to a licensed solid waste facility. *Id.* It was then discovered that the building had, in fact, still contained asbestos when demolished. *Id.* The wrecking yard’s neighbors, upon learning of the contaminated debris in their midst, sued various parties, including the negligent inspector, alleging diminished property values. *Id.* at 464. The Rhode Island Supreme Court held that the inspector was not bound to anticipate the demolition company’s “unforeseeable and illegal superceding act.” *Id.* at 467.

The Rhode Island Supreme Court has also determined, on several occasions, that certain intervening negligent acts of third persons are unforeseeable as a matter of law,

and therefore, break the chain of proximate causation flowing from a defendant's original negligent acts.<sup>10</sup>

In these Rhode Island cases holding that an intervening act superceded the defendants' prior, remote acts of negligence – and thus, were the proximate cause of the injuries – the defendants' alleged negligent acts were much closer to the plaintiffs' injuries than the alleged negligent acts of GFC. In *Travelers*, the initial negligence was the property lessee's disabling of a burglar alarm and storing flammable chemicals on the property – and the damage was that caused by an arsonist who broke into the building and set fire to it. In *Clements*, the initial negligence was leaving keys in an unlocked car on the grounds of a mental institution – and damage was that caused by a person who stole the car and then wrecked into the plaintiff. In *Splendorio*, the initial negligence was the inspector's failure to identify asbestos-containing materials at a demolition site – and the damage was that caused by the illegal dumping of asbestos-containing materials.

GFC's alleged negligence, on the other hand, is much farther removed from the Plaintiffs' injuries – in time, space and sequence – than any of the cases above. GFC's alleged negligence is the production of non-fire retardant foam in Pennsylvania – which was sold to a fabricator in Rhode Island who then cut, shaped and modified the foam before selling it to the Derderians, who installed it in The Station for soundproofing, where it remained for over two years through three fire inspections that should have cited its illegal use and ordered it to be removed, and where it remained until the night of

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<sup>10</sup> For example, in *Walsh v. Israel Couture Post, No. 2274 V.F.W. of the United States*, 542 A.2d 1094 (R.I. 1988), a member of the VFW Post fell and sustained injuries when he leaned against a railing that had become dislodged when struck by a truck owned by L.W. Fontaine Trucking Co. *Id.* at 1095. The Rhode Island Supreme Court held, as a matter of law, that the failure of the VFW either to repair the damage or to



February 20, 2003 when it was ignited by illegal pyrotechnics at The Station, a venue exceeding its capacity limits and lacking in basic fire protection measures. It is inconceivable that GFC should have anticipated that these intervening acts that occurred between its alleged remote manufacture of bulk foam years before the fire, would be a natural and probable consequence of its alleged negligence in producing bulk foam which was safe for its intended use.

**2. Each of the numerous acts that intervened between GFC's manufacture of bulk foam and Plaintiffs' injuries was sufficient to break the legal causal chain.**

Between GFC's alleged negligence and the plaintiffs' injuries from the fire, both illegal and negligent acts intervened. Each of these intervening acts *by itself* was sufficient to break the chain of legal causation between GFC and Plaintiffs' injuries.

**a. The foam was misused in violation of safety laws.**

The allegations of the Complaint demonstrate that the non-fire retardant foam allegedly produced by GFC was misused. American Foam knowingly sold the remanufactured nonfire-retardant foam to the Derderians for soundproofing, when it had in inventory an alternative fire retardant foam.<sup>11</sup> Furthermore, the Derderians purchased non-fire retardant foam and installed the foam around the stage as soundproofing without

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post a warning for a period of nine days was not foreseeable to the trucking company and, therefore, constituted an intervening efficient cause that absolved Fontaine from its original negligence. *Id.* at 1096.

<sup>11</sup> See "Lawyer Seeks Immunity for Singer in Nightclub Fire," ASSOCIATED PRESS (as reported on www.nytimes.com) February 28, 2003, in which Aram DerManouelian, president of American Foam, is quoted as saying that "[the Derderians] asked for egg-crate material and that's what we sold them .... It's good packaging material. You just can't light it on fire." DerManouelian also stated that American Foam sells fire-retardant packing foam, but "it costs about twice as much."

ensuring that the material was fire resistant as required by Rhode Island law.<sup>12</sup> Moreover, OSHA found the Derderians' installation of flammable foam over an interior exit door and surrounding walls to be a "serious" violation.<sup>13</sup> On December 9, 2003, the Derderians were each indicted on 200 felony counts of involuntary manslaughter for violating the state fire code regulation that required them to use flame-resistant acoustical material in their nightclub, and for knowingly putting people in jeopardy of serious harm but choosing to ignore the risks and/or acting with a callous disregard for the safety of others.<sup>14</sup>

Buying non-fire retardant packing foam and applying it as soundproofing to walls and ceilings is not a natural and probable consequence of GFC's remote production of non-fire retardant foam in bulk for legal packing applications. It is not reasonably foreseeable that non-fire retardant packing foam would be sold by American Foam to be grossly misused in this manner.

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<sup>12</sup> Affidavit of John M. Hoffmann ("Hoffmann Aff.") ¶¶ 5 and 8. (Mr. Hoffmann's Affidavit is filed with the Memorandum in Support of Rule 12(b)(6) Motion to Dismiss by Defendants Foamex L.P., Foamex International Inc. and FMXI, Inc.) Video footage taken at The Station prior to the fire shows that the Derderians may have used flammable paint to change the color of the foam after it was installed on the walls and ceilings, thereby materially altering the flammability characteristics of the foam itself. DATELINE NBC show, August 14, 2003; Hoffmann Aff. ¶¶ 7-10. The use of such paint on the foam would constitute even further misuse of the foam by the Derderians.

<sup>13</sup> See "U.S. fines Derderians, band on safety issues," Providence Journal, August 21, 2003. OSHA rates a violation as "serious" when "there is substantial possibility that death or serious physical harm could result, and the employer knew, or should have known, of the hazard." OSHA also fined the Derderians for a serious violation because an exit door near the stage was not distinguishable from the walls due to its being covered by the foam.

<sup>14</sup> See "Grand jury indicts club's owners, ex-tour manager in 100 deaths," Providence Journal, December 10, 2003.

**b. The City of West Warwick and the State of Rhode Island failed to identify, cite and order removal of the misused foam during any one of the inspections of The Station.**

Assuming *arguendo* it was foreseeable to GFC that the Derderians would purchase the non-fire retardant bulk foam it produced and sold to American Foam for packaging applications, and misuse it by applying it to the walls and ceilings of the nightclub, it was *not* foreseeable that the City and State fire inspectors would fail in their legal duties to protect the citizens of Rhode Island when they repeatedly failed to identify the readily apparent foam as violating City and State codes and failed to require that it be removed.

The Complaint alleges that the City of West Warwick and the State of Rhode Island failed to adequately inspect The Station premises and to enforce their various fire and safety codes. Specifically, the City and State conducted inspections after the Derderians had installed the foam on the walls and ceiling of the nightclub. Those inspections failed to identify that the foam applied to the interior of the building did not conform to R.I. Gen. Laws § 23-28.6-15.<sup>15</sup> Had the foam been identified at the time of the inspections, the inspectors would have cited the Derderians for the noncompliant foam and ordered that it be removed from the building.

Thus the City and State had not only the *opportunity* to ensure the removal of the non-fire retardant foam from The Station premises, but also *the legal duty* to order removal of the noncompliant foam. It was neither foreseeable to GFC nor a natural and probable consequence of the remote production of non-fire retardant bulk foam that fire

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<sup>15</sup> Hoffmann Aff. ¶ 7 (see fn. 12).

inspectors would fail to identify such remanufactured foam, whose obvious misuse on the walls and ceilings of The Station constituted a violation of City and State fire safety codes.

**c. *Pyrotechnics were improperly and illegally used at The Station, igniting the fire.***

Again, assuming *arguendo* that it was foreseeable to GFC that American Foam would sell non-fire retardant packing foam to be used as soundproofing in a place of public occupancy, that the Derderians would misuse the non-fire retardant foam by applying it as soundproofing, *and* that City and State fire inspectors would fail to identify the noncompliant foam during inspections and order that it be removed, it was *not* foreseeable to GFC that illegal pyrotechnics would be used inside The Station.

According to Plaintiffs' allegations, the Derderians failed to obtain permits, required by Rhode Island law, for premises at which pyrotechnics would be used.<sup>16</sup> Further, Plaintiffs allege that Defendants Biechele and the members and management of the band Great White possessed, used and displayed pyrotechnics without required permits. Failing to obtain these permits violated R.I. Gen. Laws § 23-28.11-3 and § 23-28.11-4.<sup>17</sup> OSHA cited the band with a "serious" violation related to its use of pyrotechnics on the night of the fire.<sup>18</sup> On December 9, 2003, the band's manager, Daniel Biechele, was indicted on 200 felony counts of involuntary manslaughter for setting off pyrotechnics at The Station without the required permit to do so, and for

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<sup>16</sup> Hoffmann Aff. ¶¶ 10 and 11 (see fn. 12).

<sup>17</sup> Hoffmann Aff. ¶ 11 (see fn. 12).

<sup>18</sup> See "U.S. fines Derderians, band on safety issues," Providence Journal, August 21, 2003. Specifically, OSHA found that the pyrotechnic materials were not properly stored; there was no "walk through" demonstration; the pyrotechnic operators were not properly licensed and approved; fire extinguishers "were not readily accessible" during the preparation; each pyrotechnic device was not separated from the audience by at least 15 feet; and smoking was not prohibited within 25 feet of the pyrotechnics.

knowingly putting people in jeopardy of serious harm and ignoring the risks and/or acting with a callous disregard for the safety of others.<sup>19</sup>

The distant producer of bulk polyurethane foam could not foresee that pyrotechnics, the legal use of which are limited to persons possessing appropriate licenses and on appropriately licensed premises, would be illegally set off in a nightclub. Similarly, it is not a natural and probable consequence that pyrotechnics would be illegally set off on premises having non-fire retardant foam illegally applied to the walls and ceiling.

***d. The Station nightclub was unsafe as a place of public assembly.***

Once again, assuming that it *was* foreseeable to GFC that its non-fire retardant polyurethane foam would be misused as soundproofing material in The Station nightclub, *and* that it was foreseeable that state and local inspectors would not identify the illegally used foam during their inspections for fire safety and code violations and thus not order that it be removed, *and* that it was foreseeable that pyrotechnics would be illegally used in The Station – it was *not* foreseeable to GFC that its remote production of non-fire retardant bulk foam would naturally and probably result in the Derderians – and others who promoted the concert the evening of February 20 – encouraging and allowing the overcrowding of the facility in violation of its business and occupancy licenses, particularly in a structure that lacked fire safeguards for a place of public occupancy

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<sup>19</sup> See “Grand jury indicts club’s owners, ex-tour manager in 100 deaths,” Providence Journal, December 10, 2003.

under those conditions, as required by Rhode Island Gen. Laws § 23-28.6-2 and §23-28-6.13.<sup>20, 21</sup>

**3. Proximate cause is an essential element of each of Plaintiffs' claims against GFC.**

All of the Plaintiffs' claims against GFC are grounded in negligence and products liability. Each of their claims requires the Plaintiffs to establish that GFC's alleged wrongful conduct was the proximate cause of their injuries. *See, e.g., Geloso v. Kenny*, 812 A.2d 814, 817-18 (R.I. 2002) ("It is well settled that in order to gain recovery in a negligence action, a plaintiff must establish proximate causation between the conduct and the resulting injury, and the actual loss or damage."); *Raimbeault v. Takeuchi Manufacturing (U.S.), Ltd.*, 772 A.2d 1056, 1063 (R.I. 2001) ("Without putting forth any evidence about the condition of the [product] at the time of its manufacture (that is, at the time it left defendant's hands) or about proximate cause (that is, that failure to warn had caused [plaintiff's] injuries), plaintiffs may not maintain their products liability action.")

In most cases, proximate cause is established by showing that "but for the negligence of the tortfeasor, injury to the plaintiff would not have occurred." *Geloso v. Kenny*, 812 A.2d 814, 818 (R.I. 2002); *English v. Green*, 787 A.2d 1146, 1151 (R.I.

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<sup>20</sup> Hoffmann Aff. ¶ 13 (see fn. 12).

<sup>21</sup> *See* "U.S. fines Derderians, band on safety issues," Providence Journal, August 21, 2003. OSHA also cited and fined the Derderians with "serious" violations for having no written emergency action plan; having no written fire prevention plan; not training employees to assist in a safe and orderly evacuation of other employees; and not informing employees of the fire hazards to which they would be exposed. *Id.* Moreover, OSHA fined the Derderians \$85,200.00 for a "willful" violation because The Station's exit door near the stage swung inward instead of outward in the direction of travel. *Id.* A "willful" violation is one that is "committed with an intentional disregard of, or plain indifference to, the requirements of the Occupational Safety and Health Administration regulations."

2001).<sup>22</sup> Even where a “but for” causal relationship can be shown, however, Rhode Island law requires that the causal connection be something more than a mere remote one. For example, in *Jamison v. Labrosse*, 627 A.2d 852 (R.I. 1993), the plaintiff’s minor son fell while climbing on a dumpster rented by the plaintiff to clear up debris left on the plaintiff’s property by defendant. The Rhode Island Supreme Court concluded that the causal relationship between the debris left about by the defendant and the minor’s falling from the dumpster was too remote to be the proximate cause of the child’s injuries. Rather, “[t]he plaintiff’s own actions in obtaining the dumpster and his son’s climbing into it broke any chain of causation.” *Id.* at 853.

This critical distinction between “any” causal connection and one that is sufficiently close to a plaintiff’s injury, is what necessarily defeats these Plaintiffs’ claims against GFC. It is not enough for Plaintiffs to allege that GFC knew polyurethane foam was flammable (as is evident from the warnings that accompanied the bulk foam) and that the foam sheets that GFC’s customer produced from the bulk foam and resold did in fact catch fire after being installed in The Station. Plaintiffs must also allege and prove that the fire was the natural and probable consequence of manufacturing and selling bulk foam to a fabricator for use in packaging applications. Plaintiffs cannot do so here where the series of extraordinary negligent and criminal acts and omissions by others who sold, installed, inspected and ignited the foam sever any conceivable causal link between the sale of bulk foam and the fire.

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<sup>22</sup> For example, in *Geloso v. Kenny*, 812 A.2d 814 (R.I. 2002), the plaintiff fell at defendant’s house on stairs which did not have a handrail. The court concluded that the absence of the handrail could be a proximate cause of plaintiff’s injuries because evidence showed that when plaintiff had fallen in the past she had used a handrail to break her fall. The court held, nevertheless, that defendants were not liable because they had *no duty* to provide a handrail under the circumstances.

**VI. GFC IS NOT LIABLE FOR AN END PRODUCT THAT INCORPORATES ITS BULK POLYURETHANE FOAM.**

GFC produces and distributes polyurethane foam in bulk, and sells its bulk foam to fabricators such as American Foam. Polyurethane foam is produced by an exothermic reaction of two liquid chemicals: a polyol and an isocyanate. Those two chemicals, along with water, catalysts and surfactants, are mixed and poured onto a moving conveyor where a chemical reaction similar in appearance to the rising of bread creates polyurethane foam. By varying the chemical formulation used in the manufacturing process, foams of varying physical characteristics, such as density, tensile strength, elongation and firmness, can be produced. GFC produced bulk polyurethane foam for sale in large buns or blocks having dimensions of approximately 74" by 84" by 36" to 40."<sup>23</sup>

American Foam further processes the bulk foam for various end uses for its customers. Under the bulk supplier doctrine, set forth in § 5 of the Restatement (Third) of Torts and adopted by the Rhode Island Supreme Court, GFC is not liable for the injuries arising from the use of the sheets of packing foam that American Foam manufactured from bulk polyurethane foam and sold to the Derderians.

**A. Rhode Island has adopted the bulk supplier doctrine as set forth in the Restatement.**

The Restatement (Third) of Torts § 5 (1998), entitled "Liability of a Commercial Seller or Distributor of Product Components for Harm Caused by Products Into Which Those Components are Integrated," provides:

One engaged in the business of selling or otherwise distributing product components who sells or distributes a component is subject to

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<sup>23</sup> Affidavit of Margaret Hebner ("Hebner Aff.") ¶¶ 3 and 7 (attached hereto).



liability for harm to persons or property caused by a product into which the component is integrated *if*:

(a) the component is defective in itself, as defined in this Chapter, and the defect causes the harm; *or*

(b) (1) the seller or distributor of the component substantially participates in the integration of the component into the design of the product; *and*

(2) the integration of the component causes the product to be defective, as defined in this Chapter; *and*

(3) the defect in the product causes the harm.

(Emphasis added.)

Comment (a) to Section 5 provides that the term “product components” as used above includes “*raw materials, bulk products, and other constituent products* sold for integration into other products.” (Emphasis added).<sup>24</sup> That comment further provides that “product components” include both components, such as raw materials, that have no functional capabilities unless integrated into other products, as well as components that, while able to function on their own, may also be assimilated into a variety of end products. In other words, “[t]he bulk supplier doctrine applies when a product is sold in bulk to purchasers which then repack the product or incorporate it into another

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<sup>24</sup> The illustration to Section 5 of the Restatement (Third) of Torts specifically mentions “bulk foam” as an example of a product component governed by this section:

ABC Foam Co. manufactures bulk foam with many different uses. XYZ Co. purchases bulk foam from ABC, then processes the foam and incorporates the processed foam in the manufacture of disposable dishware. ABC becomes aware that XYZ is using processed foam in the dishware. ABC and XYZ are both aware that there is a potential danger that processed foam may cause allergic skin reactions for some users. ABC is aware that XYZ is not warning consumers of this potential problem. ABC has no duty to warn XYZ or ultimate consumers of the dangers attendant to use of the processed foam for disposable dishware. The foam sold by ABC is not defective in itself as defined in this Chapter. A supplier of a component has no duty to warn a knowledgeable buyer of risks attendant to special application of its products when integrated into another's product. ABC did not participate in the design of the disposable dishware manufactured by XYZ, and is thus not subject to liability under Subsection (b).

*Id.*, comment b, illustration 4.

product as a component.” *Ditto v. Monsanto Co.*, 867 F. Supp. 585, 592 (N.D. Ohio 1993)

The Reporters’ Notes accompanying this Section show that this provision mirrors the existing product liability law of most jurisdictions, and specifically notes that “[t]he rationale for the general rule of nonliability for sellers of nondefective components has been set forth in numerous cases.” *Id.*

Rhode Island adopts and follows the Restatement. In *Buonanno v. Colmar Belting Co., Inc.*, 733 A.2d 712 (R.I. 1999), the Supreme Court of Rhode Island unanimously adopted the provisions of § 5 of the Restatement (Third).<sup>25</sup> That decision is instructive on Rhode Island’s interpretation of § 5 of the Restatement and the bulk supplier defense applicable here. In *Buonanno*, both the manufacturer and the distributor of component parts of a conveyor-belt system which injured the plaintiff were defendants. The distributor-defendant sold all the individual component parts of the conveyor system to the plaintiff’s employer who had the system assembled on site. The manufacturer-defendant manufactured the wing pulley that was sold to the distributor-defendant and re-sold to the plaintiff’s employer who incorporated it into the conveyor system. The plaintiff appealed from the trial court’s grant of summary judgment to both defendants. The majority of the Supreme Court, deciding the case in the light of § 5 of the “recently published” Restatement (Third), affirmed the summary judgment granted to the manufacturer-defendant but reversed the summary judgment granted to the

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<sup>25</sup> See also *Ruzzo v. LaRose Enterprises*, 748 A.2d 261, 266 (R.I. 2000) (noting that the Court “adopted § 5 of the Restatement (Third) Torts” in *Buonanno*); *Guilbeault v. R.J. Reynolds Tobacco Co.*, 84 F. Supp. 2d 263, 277 (D.R.I. 2000) (noting that “the Rhode Island Supreme Court unanimously ‘adopted’ § 5 of the Restatement (Third) of Torts” in *Buonanno*).

distributor-defendant because fact issues were present concerning its participation in the ultimate design of the conveyor. *Buonanno*, 733 A.2d at 715.

Pursuant to the provisions of § 5, the Court noted that “[a]s a general rule, component manufacturers or sellers should not be liable under this section unless the component part itself was defective when it left the manufacturer. Furthermore, a component part supplier should not be required to act as an insurer for any and all accidents that may arise after that component part leaves the supplier’s hands.” *Id.* at 716 (citations omitted). Having found no evidence of a defect in the component parts themselves, the Court determined the pivotal issue to be the duty owed by these defendants relative to their involvement in the integration of the components into the conveyor system. *Id.* at 715-16. Thus, a dismissal of the component manufacturer was proper.

Given the versatility of polyurethane foam and its use in everything from medical devices to furniture to automobiles, the rationale behind the doctrine clearly applies here. It would place an untenable burden on GFC to require it to monitor and insure every product and industry in which foam is used.

**B. Exceptions to the bulk supplier doctrine do not apply to GFC’s production and sale of bulk foam.**

Section 5 of the Restatement provides broad protection to producers of bulk products like GFC, but it also recognizes two exceptions to that protection, neither of which apply to GFC’s distant production of bulk foam.

**1. There is no defect in GFC’s bulk polyurethane foam.**

Liability cannot be incurred unless a defect in the component itself causes the damage complained of. *See* § 5, comment b (“A commercial seller or other distributor of

a product component is subject to liability for harm caused by a defect in the component.”). Plaintiffs cannot prove that GFC’s bulk polyurethane foam was defectively made or designed – it was a bulk material cut and fabricated by American Foam in the production of boxes and containers with foam liners. Further, the fact that it is flammable and may produce irritating vapors and smoke does not render bulk foam, with hundreds of safe applications, an inherently dangerous product. *See e.g., In re Silicone Gel Breast Implants Prods. Liability Litig.*, 887 F. Supp. 1463 (N.D. Ala. 1995) (despite evidence that degraded foam may release a chemical associated with cancer in animals, bulk foam with a broad array of safe uses should not be viewed as an inherently dangerous product).

A component part manufacturer “is required to provide instructions and warnings regarding risks associated with the use of the component product.” Restatement (Third) of Torts § 5 cmt. b (1998). However, “when a sophisticated buyer integrates a component into another product, the component seller owes no duty to warn either the immediate buyer or ultimate consumers of dangers arising because the component is unsuited for the special purpose to which the buyer puts it.” *Id.* Comment d to § 5 of the Restatement, entitled “Incomplete Products” (defined as “products that can be put to different uses depending on how they are integrated into other products”), provides:

A seller ordinarily is not liable for failing to incorporate a safety feature that is peculiar to the specific adaptation for which another utilizes the incomplete product. A safety feature important for one adaptation may be wholly unnecessary or inappropriate for a different adaptation. The same considerations also militate against imposing a duty on the seller of the incomplete product to warn purchasers of the incomplete product, or end-users of the integrated product, of dangers arising from special adaptations of the incomplete product by others.

GFC warned its manufacturing customers, including American Foam, of the flammable nature of its bulk polyurethane foam and the hazards from vapors and smoke.<sup>26</sup> It was the duty of GFC's customers and fabricators, such as American Foam, to select the appropriate bulk foam product for the end uses for which they intend to incorporate the foam, and to warn the end users – its customers – about any hazards associated with the use of their end product. *See, e.g., In re Silicone Gel Breast Implants*, 887 F. Supp. at 1468 (law recognizes that burdening sellers of bulk materials having widespread safe uses with a duty to warn end-product users would be too onerous in light of more direct responsibility of those selecting product for their specific application). American Foam admits that it was aware of the flammable nature of the foam it sold to the Derderians and had available a different foam, that was fire retardant, for sale at the time of the Derderians' purchase.<sup>27</sup> And indeed, the allegations in Plaintiffs' Complaint reflect that it was the specific *use* of foam by other defendants "on interior finish of places of public assembly" that was dangerous and inappropriate, rather than generic, versatile foam in its bulk form. (*See e.g.,* Compl. ¶¶ 461, 488).

**2. GFC was not involved in the fabrication of its bulk foam into sheets of dimpled packing foam or the sale of the manufactured foam sheets to customers like the Derderians.**

The Restatement incorporates the pre-existing law of a majority of jurisdictions, under which a component part manufacturer may be liable as a result of its "substantial participation in the integration of the component" into the finished product that is alleged to have caused the injury at issue. *See* Restatement (Third) of Torts § 5, comment e.

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<sup>26</sup> Hebner Aff. ¶¶ 12 and 13.

<sup>27</sup> *See* fn. 11, *supra*.

GFC, however, did not participate, *in any way*, in the fabrication of its bulk foam into the sheets of dimpled packing foam sold to the Derderians for an illegal end use completely unrelated to packaging.

American Foam is recognized as a quality packaging fabricator that remanufactures bulk foam into packing foam for a wide variety of ordinary packaging and container applications. American Foam purchased bulk foam to its own specifications from GFC, and others, in truck loads of large buns measuring approximately 3' by 7' by 8'.<sup>28</sup> American Foam remanufactured the bulk foam buns by processing them through a large and expensive machine called a "convoluter" which compresses and cuts the 3' thick bulk foam into dimpled sheets which are usually 1" to 4" thick and 7' by 8' in size.<sup>29</sup> These sheets are then cut again to fit the particular box, container or other packaging application. As a general rule, packing foam of this type is not fire retardant because the packaging and container applications in which the foam is used present no fire hazard or risk.<sup>30</sup>

Apparently, American Foam sold 25 of the convoluted foam packing sheets intended for packaging applications to the Derderians.<sup>31</sup> The Derderians intended to use

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<sup>28</sup> Hebner Aff. ¶ 7.

<sup>29</sup> Hebner Aff. ¶ 8.

<sup>30</sup> Hoffmann Aff. ¶ 6 (see fn. 12).

<sup>31</sup> American Foam's remanufacture of what Plaintiffs allege was GFC's bulk buns of foam into sheets of packing foam also absolves GFC from liability under Rhode Island's "subsequent alteration" statute, R.I. Gen. Laws § 9-1-32. The statute provides that "no manufacturer or seller of a product shall be liable for product liability damages where a substantial cause of the injury, death, or damage was a subsequent alteration or modification." R.I. Gen. Laws § 9-1-32(b). The statute defines "subsequent alteration or modification" as "an alteration or modification of a product made subsequent to the manufacture or sale by the manufacturer or seller which altered, modified, or changed the purpose, use, function, design, or manner of use of the product from that originally designed, tested or intended by the manufacturer, or the purpose, use, function, design, or manner of use or intended use for which such product was originally designed, tested or manufactured." R.I. Gen. Laws § 9-1-32(a)(2).

the packing foam as sound proofing material on the walls of The Station – a place of public assembly. The decision to use the packing foam was made by the Derderians despite the fact that longstanding fire codes prohibited this use. Moreover, there were specialty products made expressly for such soundproofing uses that were flame resistant, albeit much more expensive.<sup>32</sup> There were also a variety of other flame retardant foams that, while not permitted for this use, may have presented a much safer alternative.<sup>33</sup> In fact, American Foam had such flame retardant foam products available for sale at the time the Derderians purchased the non-fire retardant packing foam.<sup>34</sup>

All of the transactions between American Foam and the Derderians occurred without either the knowledge or participation, in any way, of GFC. GFC had no part in the sale by American Foam or the intended illegal use of the packing foam.

GFC's bulk foam has hundreds of safe packaging and other uses. It is not inherently dangerous because it is flammable or because it produces irritating vapors and smoke when it burns. GFC cannot feasibly, and is not required by law to, anticipate and evaluate all possible end uses of its bulk foam. Certainly, it has no duty to warn about the possible hazards of misusing manufactured packing foam as soundproofing for places of public assembly, where fire and safety codes will not be enforced, where illegal pyrotechnics will be used, where overcrowding will be allowed (or even encouraged) and

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<sup>32</sup> Hebner Aff. ¶ 17.

<sup>33</sup> Hebner Aff. ¶ 16.

<sup>34</sup> See fn. 11, *supra*.

where basic fire safety and prevention practices will not be followed.<sup>35</sup> Because it had no duty to warn Plaintiffs, and because its bulk foam was neither defective nor inherently dangerous, GFC is entitled to judgment on all Plaintiffs' claims against it.

## VII. CONCLUSION

Taking as true Plaintiffs' well-pleaded allegations in the Complaint, these "facts" establish at most that GFC's production of bulk polyurethane foam was a remote and tenuously-related cause of the fire that occurred at The Station on February 20, 2003. However, the allegations *affirmatively* establish that the illegal misuse of packing foam as soundproofing, the failure of inspectors to identify the illegal use of the foam and require its removal, and the illegal use of pyrotechnics at the overcrowded and unsafe nightclub caused Plaintiffs' injuries. Each of these cascading illegal and negligent acts severed any causal connection, as a matter of law, between GFC's remote production of bulk foam and the injuries sustained by Plaintiffs to this suit. Moreover, because of GFC's distance from The Station and the events on that fateful night, GFC was under no legal duty to the plaintiffs to prevent the fire that caused their injuries.

Aside from Plaintiffs' allegations, the indisputable facts establish that GFC produces non-defective bulk polyurethane foam. As such, GFC and PMC are not liable to those injured by the end application product, packing foam, manufactured and sold by American Foam to the Derderians for an illegal use in The Station nightclub. The bulk

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<sup>35</sup> See generally *In re Silicone Gel Breast Implants Prods. Liability Litig.*, 887 F. Supp. 1463 (N.D. Ala. 1995). There, Scotfoam, a bulk foam supplier (and a predecessor to Foamex), whose bulk foam was used by others in a variety of applications, was held to have no duty to warn the ultimate recipients of one of those end products – foam-coated silicone breast implants. The court recognized that "a manufacturer of a non-defective component part has no duty to evaluate all possible end uses of its product" and that "no state would impose liability in a raw material supplier situation like this, not involving an inherently dangerous or a defectively manufactured product." *Id.* at 1468.

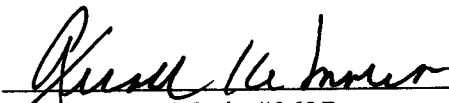


supplier doctrine, as adopted by the Rhode Island Supreme Court, bars liability for Plaintiffs' injuries and deaths from attaching to GFC's remote production of bulk polyurethane foam.

For the reasons set forth above, GFC and PMC request the Court to dismiss with prejudice all of Plaintiffs' claims asserted in them in the Complaint and enter judgment in favor of GFC and PMC.

Defendants  
General Foam Corporation, GFC Foam, LLC, PMC,  
Inc. and PMC Global, Inc.  
By Their Attorneys,

HIGGINS, CAVANAGH & COONEY



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FROST BROWN TODD  
400 West Market Street, 32<sup>nd</sup> Floor  
Louisville, KY 40202-3363

UNITED STATES DISTRICT COURT  
FOR THE DISTRICT OF RHODE ISLAND

ALBERT L. GRAY, ADMINISTRATOR *et al.*, :  
:   
Plaintiffs :   
:   
VS. : C.A. NO.: 1:04-CV-312-L  
:   
JEFFREY DERDERIAN *et al.*, :   
:   
Defendants :

**AFFIDAVIT OF JOHN M. HOFFMANN, Ph.D.,**  
**IN SUPPORT OF RULE 12(b)(6) MOTIONS TO DISMISS**  
**OF GENERAL FOAM CORPORATION, GFC FOAM, LLC, PMC, INC.,**  
**PMC GLOBAL, INC., FOAMEX L.P., FOAMEX INTERNATIONAL, INC., AND**  
**FMXI, INC.**

John M. Hoffmann, being first duly sworn, states as follows:

1. I am a Fire Scientist and hold an undergraduate degree in Chemistry and a graduate degree (Ph.D.) in Weapons Systems Engineering with a specialty in Organic Chemistry. (A copy of my curriculum vitae is attached as Exhibit 1.) While on active duty with the United States Navy, I participated in the study and investigation of fires and explosions aboard naval ships and aircraft. Following retirement from the Navy, I directed the safety programs for the Parke-Davis Company, a division of Warner Lambert Company, which included extensive fire safety programs for the prevention of fires and protection from fires.

2. In 1985, I founded Safety Engineering Laboratories ("SEL") for the purpose of investigating and reconstructing fires, conducting fire tests on a wide array of materials/chemicals and providing expert testimony in matters related to LP and natural gas fires and explosions, chemical fires and explosions, plastics fires, flammable and combustible liquid fires, and industrial, commercial, and residential structural fires. Among the mass disaster fires I have investigated are the San Juan Dupont Plaza Hotel fire in Puerto Rico, the MGM Grand and Hilton Hotel fires in Nevada, the PEPCON ammonium perchlorate chemical plant explosion in Nevada, and the One Meridian Plaza fire in Pennsylvania.

3. From 1985 until 2000, I was the President of Safety Engineering Laboratories and am currently Chairman of the Board of Directors. I have worked for both plaintiffs and defendants and have testified in State and Federal District courts in more than 35 states, Puerto Rico, Canada, and South America. Safety Engineering Laboratories has conducted fire-related testing for major trade organizations such as the Consumer Electronics Association (CEA) and the Chemical Manufacturers Association

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(CMA). SEL also has conducted fire testing on a variety of consumer products, household chemicals, and materials capable of causing spontaneous ignition (combustion) for individual companies and in support of litigation.

4. SEL and I have been retained by counsel for defendants in the litigation styled above to investigate, examine and analyze the February 20, 2003 fire (the "Fire") at The Station nightclub (the "Nightclub").

- Commencing on or about April 2, 2003 and continuing until approximately May 6, 2003, SEL and I investigated and participated in the tagging and removal of over 700 artifacts from the fire scene.
- I have examined videotapes depicting how the Fire ignited and spread, and the Nightclub crowd's reaction to the Fire.
- I have reviewed and am familiar with statements made and conclusions drawn by the wide array of fact witnesses to the fire, local and state fire marshals, crowd consultants, ingress/egress experts, and other professional fire investigators who have commented in media reports since the date of the Fire regarding the building and its exits and construction, the fire and its origin, code violations and the nature in which the fire grew, developed and extinguished.
- I have reviewed Town of West Warwick Fire and Police Department documents pertaining to overcrowding problems at the nightclub, noise complaints, 2000-2002 building inspections, and reports, commentary and testimony relating to the Fire prepared by or on behalf of the National Institute of Standards and Technology and the National Fire Protection Association.

For these reasons, and based on my years of training, skill and experience, I have personal knowledge of the following facts and am competent to make this affidavit.

5. The Derderians claim to have purchased approximately 540 square feet of low density foam from American Foam Corporation ("American Foam"). American Foam has produced to the Rhode Island Attorney General a June 27, 2000 invoice along with (a) a General Foam Corporation Product Data Sheet for polyether foam designated 36000XXX, and (b) a GFC Material Safety Data Sheet for flexible polyurethane foam dated January 1997. Further, Margaret Hebner's affidavit in support of the Rule 12(b)(6) Motion to Dismiss by Defendants Foamex, LP, Foamex International, Inc. and FMXI, Inc. identified its product designated P120-34 as the non-flame retardant packing foam purchased on occasion by American Foam from Foamex after July 2001.

6. Polyurethane foam is used for hundreds of practical everyday purposes from carpet pads and seat cushions, to numerous applications in the automobile industry, to the shipping and packaging industry. Foam is well-regulated, yet none of the applications just referenced require foam to be flame retardant. GFC's and Foamex's sales documentation, which accompanied its products when shipped to its customers,

including American Foam, contained a warning about the flammability of polyurethane foam. GFC's documentation stated:

WARNING! POLYURETHANE FOAM IS FLAMMABLE.

IMPROPER HANDLING OF FLEXIBLE POLYURETHANE FOAM DURING STORAGE OR USE MAY PRESENT A RISK OF FIRE. DO NOT EXPOSE POLYURETHANE FOAM TO POTENTIAL SOURCES OF IGNITION SUCH WELDING, BURNING CIGARETTES, CONTACT WITH NAKED LIGHTS, OPEN FLAMES, SPACE HEATERS, OR UNCONTROLLED BURNING OPERATIONS. IN THE EVENT OF IGNITION, POLYURETHANE FOAM MAY BURN RAPIDLY.

PRECAUTIONS FOR STORAGE AND HANDLING:

USERS SHOULD TAKE APPROPRIATE PRECAUTIONS IN THE STORAGE AND HANDLING OF THIS MATERIAL AND FOLLOWING APPLICABLE LOCAL BUILDING CODES, FIRE ORDINANCES, AND INSURANCE REGULATIONS. MINIMUM PRECAUTIONS SHOULD INCLUDE PROVISION OF ADEQUATE AISLEWAYS, SPRINKLE HEAD CLEARANCE, AND AVAILABILITY OF APPROVED ABC DRY CHEMICAL EXTINGUISHERS. IN THE EVENT OF IGNITION, DOUSE FOAM WITH LARGE VOLUMES OF WATER AND REMOVE FROM BUILDING.

Foamex's sales documentation stated:

**WARNING – IMPORTANT NOTICE**

ALL POLYURETHANE FOAMS, INCLUDING COMBUSTION MODIFIED FOAMS, WILL BURN. DO NOT EXPOSE TO ANY FLAME SOURCE. ONCE IGNITED, THEY CAN PRODUCE RAPID FLAME SPREAD, INTENSE HEAT, DENSE SMOKE AND TOXIC GASES CAUSING DEATH. WARNINGS SHOULD BE GIVEN TO YOUR EMPLOYEES AND CUSTOMERS. TEST DATA DOES NOT NECESSARILY REFLECT A FOAM'S PERFORMANCE UNDER ACTUAL FIRE CONDITIONS.

7. On or about June 27, 2000, the Derderians installed foam on the walls and ceiling of the Nightclub. Subsequent inspections of the Nightclub by the Town of West Warwick Fire Department on November 21, 2000, November 10, 2001 and November 20, 2002 identified numerous building code violations including, among other things, fire extinguishers improperly placed, improperly tagged and in need of repair, exit doors in need of repair, emergency lights and exit signs not functioning or in need of bulbs, and broken panic hardware on exit doors. None of these post-June 27, 2000 inspections identified the readily apparent packing foam on the walls and ceiling of the Nightclub.

8. The Derderians' use of non-flame retardant flexible polyurethane foam such as GFC 36000XXX or Foamex P120-34 on the walls and ceilings of the Nightclub was illegal and violated **Rhode Island General Laws, Section 23-28.6-15** which states as follows: "(a) All combustible decorative and acoustical material including curtains, but not including floor coverings shall be rendered and maintained flame resistant in accordance with subsection (d). This regulation shall not be construed to prohibit the use of wall or ceiling coverings affixed directly to the wall or ceiling, which meet the

requirements of subsection (e). Furnishings or decorations of an explosive or highly flammable character shall not be used.”

9. The Station was licensed by the Town of West Warwick, RI as a nightclub, and the license specified an occupancy limit of 300 persons. On the night and at the time of the Fire, more than 300 persons occupied the Nightclub in violation of the Class C license and appropriate safety standards. But regardless of the limitation as to the posted occupancy guidelines, attendance at the time of the Fire exceeded ordinary safety standards for emergency egress when considering the use of alcohol, lack of sprinklers, inadequate fire exits, and overcrowding.

10. **Rhode Island General Laws, Section 23-28.11** requires that anyone using pyrotechnics must possess and display permits issued by the West Warwick Fire Department prior to using pyrotechnics. There is no evidence that the Nightclub’s owners, agents or employees, or the Great White band complied with this law prior to using pyrotechnics at the Nightclub on February 20, 2003. Neither is there evidence that the Nightclub’s owners, agents or employees ever received or applied for a permit from the West Warwick Fire Department to possess or use pyrotechnics inside the Nightclub on February 20, 2003 as required by **Rhode Island General Laws 23-28.11-3**.

11. **Rhode Island General Laws 23-28.11-4** requires every person desiring to possess or display commercial fireworks and/or pyrotechnics to obtain a certificate of competency that attests to the applicant’s experience and ability to conduct commercial fireworks and/or pyrotechnics demonstrations competently. There is no evidence that the Nightclub’s owners, agents or employees, or the Great White band complied with this law prior to using pyrotechnics at the Nightclub on February 20, 2003.

12. The Nightclub’s owners, agents and employees failed to manage, maintain, control, supervise and/or inspect the Nightclub and exits on the evening of February 20, 2003 prior to and during the Great White concert as required by **Rhode Island General Laws Section 23-28.6-2**.

13. The Nightclub’s owners, agents and employees failed to install, maintain, inspect and manage the Nightclub in a proper workmanlike fashion so that the emergency lighting and exit signs were operable in the event of fire and or power outage on the evening of February 20, 2003 as required by **Rhode Island General Laws Section 23-28.6-13**.

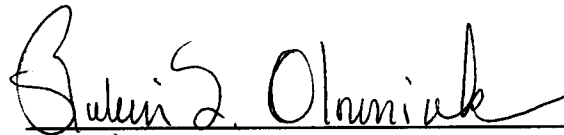
14. If requested to do so, I reserve the right to offer additional opinions in this litigation as may be needed in future.

  
JOHN M. HOFFMANN, P.L.D.

STATE OF MICHIGAN )  
COUNTY OF Macomb )

SS:

**SUBSCRIBED AND SWORN** to before me by John M. Hoffmann on this 25  
day of August, 2004.

  
Notary Public  
State of Michigan

My Commission Expires: July 26, 2011

ROBIN L. OLMIUK  
NOTARY PUBLIC, STATE OF MI  
COUNTY OF MACOMB  
MY COMMISSION EXPIRES JUL 26, 2011  
ACTING IN COUNTY OF Macomb

**JOHN M. HOFFMANN, PH.D., C.S.P., P.E.**

**CURRICULUM VITAE**

**CONSULTING AND INVESTIGATIVE EXPERIENCE**

Dr. Hoffmann has, over a twenty five year period, investigated and analyzed numerous fires, explosions and accidents. He has also participated in a wide variety of occupational safety and health program analyses. These investigations have included on-site evaluations, post investigation analysis and reconstruction, fire and chemical testing, technical advisory services and expert testimony. Expert testimony in depositions and trials has been given throughout the United States, Puerto Rico, and Canada. Assignments have included:

- LP gas fires and explosions
- Chemical fires and explosions
- Plastics fires
- Flammable and combustible liquid fires
- Occupational Safety and Health Programs
- Industrial, commercial, residential and vehicle fires and accidents
- Industrial, chemical and explosives safety programs
- Natural gas fires and explosions
- Structural fires

**REPRESENTATIVE ACTIVITIES**

**FIRES AND EXPLOSIONS**

**SAN JUAN DUPONT HOTEL, PUERTO RICO**

Developed fire reconstruction using computer modeling. Tested, monitored and evaluated testing of artifact materials. Provided scale model and video system which were used throughout the trial in Federal Court. Provided written reports and several days of trial testimony.

**PEPCON AMMONIUM PERCHLORATE PLANT, NEVADA**

Testified as a fire reconstruction and safety expert. Developed complete fire reconstruction of the event. Provided a broad array of scientific and litigation support services. Retained as an expert by both Plaintiffs and Defendants.



### HILTON HOTEL FIRE, NEVADA

Evaluated flame spread testing related to carpeting used in various areas of this Las Vegas Hotel.

### MGM GRAND FIRE, NEVADA

Reconstruction and evaluation of materials involved in the MGM Grand fire in Las Vegas. Evaluated fire spread patterns, smoke evolution and contribution of various materials to the fire growth process.

### OTHER MAJOR FIRES AND EXPLOSIONS

British Columbia, Florida and Pennsylvania - Provided testing and evaluation of contribution to fire growth of PVC (Polyvinyl Chloride) insulated control and power cables in combination with other materials. Determined fire growth patterns from incipient stages. Established fire causes and origins. Developed reconstructions based on time analysis of burning and correlation of facts.

California, Georgia, Pennsylvania, Kentucky and Massachusetts - Provided fire reconstruction and evaluation of combustion properties of materials for major fires in high rise office buildings, warehouses and a hotel.

Provided fire reconstruction for electrical failure initiated fires in major industrial facilities in Pennsylvania, Georgia, North Carolina and British Columbia. Identified and isolated causes and developed growth and spread scenarios involving materials of construction and electrical energy contribution.

### ACCIDENT INVESTIGATIONS

Investigated and reconstructed numerous accidents involving: vehicles, petrochemicals, and other flammable and combustible liquids; liquid propane gas; military armament, combustible dusts; various fabrics and materials and household appliances. These assignments took place in several different states and included industrial, commercial, marine and residential/domestic settings. Household appliances include hot water tanks, stoves, refrigerators, television sets, pressure cookers, and electric heaters.

### OCCUPATIONAL SAFETY EXPERIENCE

Planned developed and implemented plant safety programs to reduce occupational injuries and provide for facilities and environmental protection. Implemented and maintained safety inspection and audit programs in a variety of manufacturing and warehouse facilities throughout the United States. Including chemicals, pharmaceutical and health care products. Developed and implemented plans to meet insurers requirements for safety program improvements including reductions in workers compensation costs.





## SAFETY AUDITS AND PLANNING

Provided on-site audits of industrial/chemical/explosive safety programs and practices. Developed plans for upgrading safety programs to meet regulatory requirements. Coordinated implementation of upgrade plans. Fire and explosion litigation cases often involve evaluation of fire protection systems such as smoke detectors and sprinklers.

## TESTING

Laboratory testing of fabrics and automobile interiors in accordance with Federal Standards. Routine laboratory work such as flash points, LP Gas sampling and analysis and ASTM flame spread and flammability tests have been utilized as have infrared, visible and ultraviolet spectrometers, elemental analysis, atomic absorption analysis and scanning electron microscope. Rates of heat and smoke release are also determined in the laboratory. Testing capability also includes full and large scale testing of products, materials and structures in both standard (ASTM) and non-standard scenarios.

## TECHNOLOGY

In-house produced engineered graphics and animation, computer aided mathematical modeling, physical scale models of accident/disaster sites, aerial and still photography and laboratory testing design and experimentation were utilized in a variety of assignments. Video taping of accident recreations have been used in a number of instances including a hot water tank failure, a business fire and LP gas fires.

## EDUCATION

- |        |   |
|--------|---|
| Ph.D.  | - Organic Chemistry/Weapons System Engineering. Naval Postgraduate School, Monterey, CA, 1966 |
| B.S.   | - Chemistry. Bucknell University, Lewisburg, PA, 1956   |
| C.S.P. | - Certified Safety Professional, by examination, 1979   |
| P.E.   | - Registered Professional Safety Engineer Massachusetts                                       |



### **PROFESSIONAL ORGANIZATIONS**

Board of Certified Safety  
Professionals

American Chemical  
Society

American Chemical Society -  
Chemical Health and Safety  
Division

National Fire Protection  
Association

American Society of Safety  
Engineers, Professional  
Member

National Safety Council -  
Chemical Section,  
Industrial Division

### **PROFESSIONAL ORGANIZATION ACTIVITIES/COMMITTEES**

OSHA National Steering Committee - Evaluation of Contractor Safety in the Petrochemical Industry, 1989-1991.

NFPA - Hazardous Chemical Committee 1991 - Present.

National Safety Council - Chemical Section Executive Committee, 1980-Present; Industrial Section Technical Committee, 1983-85.

American Chemical Society Division of Chemical Health and Safety - Exhibition/Symposia Committee for Chemical Safety Education; Joint with National Safety Council, 1983-84.

Board of Certified Safety Professionals - Examination Question Reviewer, 1981-83.

American Society of Safety Engineers - Instructor, Systems Safety Review Classes for Certification Examinations, 1981-1982.

Adjunct Professor - Department of Occupational Safety and Health - Oakland University, Rochester, Michigan.

### **PROFESSIONAL EMPLOYMENT EXPERIENCE**

1985- Safety Engineering Laboratories, Inc. Provides consulting, technological, testing, and litigation support services to clients in a variety of businesses, industries and litigation related matters.



1978-85      Consultant in Fire, Explosion and Accident Reconstruction. Expert advisory services and technical reconstructions of fires and explosions were conducted for a number of different clients in industrial settings and major hotel fires.

1983-85      Director of Manufacturing Engineering and Plant Manager, Parke-Davis Division, Warner Lambert Company. Responsible for Capital Plan Development and implementation, construction of new facilities and installation of new equipment. Managed a major new, state-of-the-art pharmaceutical manufacturing plant.

1979-83      Director of Safety, Parke-Davis Division, Warner Lambert Company. Responsible for planning, developing and implementing occupational safety and health programs and plant safety activities. Conducted process reviews and accident investigations. Involved four plants in three states and consultation to other locations and divisions.

1978-79      Safety Engineer, Parke-Davis Division, Warner Lambert Company. Responsible for plant safety programs, chemical process safety, occupational safety and industrial hygiene programs in a large, specialized chemical plant.

1974-78      Associate Chairman and Chairman, Chemistry Department, United States Naval Academy, Annapolis, MD. Responsible for curriculum review and updating, instruction of midshipmen and overall direction and management of the department. Prepared and implemented laboratory safety program.

1975-78      Consulting Associate, Safety Engineering Department, Trident Engineering Company, Annapolis, Maryland. Consulted for various clients in the areas of fire technology and fire reconstruction, combustion of plastics and their contribution to fires and fire spread, chemical and industrial safety. Expert witness testimony was given in a number of state and federal courts.

1971-74      Production Manager, Naval Air Rework Facility, San Diego, California. Managed a 6,000 man military/civilian work force in the repair and updating of naval aircraft and equipment. Involved management of a multitude of specialized staff skills, equipment and facilities.

1968-70      Program Manager, Aircraft and Ship Vulnerability/Survivability Tests and Studies, Naval Weapons Center, China Lake, California. Designed and conducted a research program to characterize and optimize conventional explosive warheads for ship attack missiles. A total of 63 full scale tests were conducted against target ships. Various damage aspects and mechanisms were evaluated including blast, fragment, fire and fire spread. Participated in the design and development of a program assessing the vulnerability and survivability of attack aircraft from fire and explosion damage. Investigated accidents involving laboratory and field trials of small rocket assemblies and component parts.



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Hoffmann, J.M., "Risk Analysis for Chemical Hazards", modeling of fires and explosions using integrated computer models. A presentation made at the National Safety Congress & Exposition, Chicago, Illinois, October, 1987.

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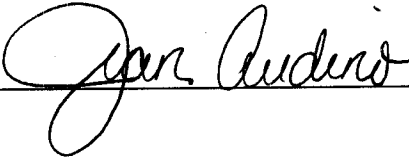
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